

4/5



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Art Unit 1742

Examiner: Daniel J. Jenkins

Confirmation No:

1120

Applicants:

Morris F. Dilmore et al

Serial No:

10/039,811

Filed:

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January 8, 2004

For:

**MAR 10 2004**

METAL CONSOLIDATION PROCESS  
APPLICATION TO FUNCTIONALLY  
GRADIENT MATERIAL (FGM)  
COMPOSITIONS OF TANTALUM AND  
OTHER MATERIALS

-----  
Pasadena, California  
March 1, 2004

REQUEST FOR WITHDRAWAL  
OF NOTICE OF ABANDONMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

It is respectfully requested that the Notice of  
Abandonment (Paper No.14, copy attached) be withdrawn for  
the following reasons:

- 1) The attached copy of a Postcard receipt,  
stamped by the PTO on July 17, 2003, shows  
receipt of the issue fee transmittal form and  
check for \$1,600.

Serial No.10/039,811

- 2) See attached copy of the check for \$1,600, showing cashing by the PTO.
- 3) Copy of Issue Fee Transmittal Form mailed to PTO on July 10, 2003, and indicated by the stamped postcard as received July 17, 2003.

Kindly issue the patent as soon as possible, with credit for extra patent term, due to PTO failure to timely process the issue fee payment.

Kindly charge any fee to Account No.08-0118.

Respectfully submitted,



William W. Haefliger  
Attorney for Applicants  
Registration No.17,120  
Area Code 323 684-2707]

WWH:hk  
Enclosure  
Docket 12,105-1



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/039,811	01/08/2002	Morris F. Dilmore	12,105-1	1120

7590  
William W. Haeffliger  
Suite 512  
201 So. Lake Ave.  
Pasadena, CA 91101

02/25/2004



EXAMINER  
JENKINS, DANIEL J

ART UNIT  
1742

PAPER NUMBER

DATE MAILED: 02/25/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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MAR - 1 2004

WILLIAM W. HAEFLIGER



UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
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EXAMINER

ART UNIT

PAPER NUMBER

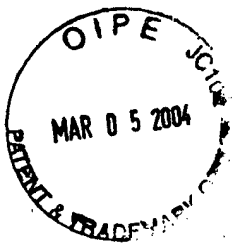
DATE MAILED:

NOTICE OF ABANDONMENT

This application is abandoned in view of:

- ☐ Applicant's failure to timely file a proper reply to the Office letter mailed on \_\_\_\_\_.
- ☐ A reply (with Certificate of Mailing or Transmission of \_\_\_\_\_) was received on \_\_\_\_\_ which is after the expiration of the period for reply (including a total extension of time of \_\_\_\_\_ month(s)) which expired on \_\_\_\_\_.
- ☐ A proposed reply was received on \_\_\_\_\_, but it does not constitute a proper reply under 37 CFR 1.113 to the final rejection.  
(A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114).
- ☐ A reply was received on \_\_\_\_\_, but it does not constitute a proper reply, or a *bona fide* attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in the last box below).
- ☐ No reply has been received.
- ☒ Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).
- ☐ The issue fee and publication fee, if applicable, was received on \_\_\_\_\_ (with a Certificate of Mailing or Transmission dated \_\_\_\_\_), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85) (or Notice of Publication Fee Due).
- ☐ The submitted fee of \$ \_\_\_\_\_ is insufficient. A balance of \$ \_\_\_\_\_ is due.  
The issue fee by 37 CFR 1.18 is \$ \_\_\_\_\_. The publication fee, if required, by 37 CFR 1.18(d) is \$ \_\_\_\_\_.
- ☒ The issue fee and publication fee, if applicable, have not been received.
- ☐ Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTOL-37).
- ☐ Proposed corrected drawings were received on \_\_\_\_\_ (with a Certificate of Mailing or Transmission dated \_\_\_\_\_), which is after the expiration of the period for reply.
- ☐ No corrected drawings have been received.
- ☐ The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all the applicants.
- ☐ The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon filing of a continuing application.
- ☐ The decision by the Board of Patent Appeals and Interferences rendered on \_\_\_\_\_ and because the period for seeking court review of the decision has expired and there are no allowed claims.
- ☐ The reason(s) below: \_\_\_\_\_

Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.



**Respond to the Notice of Abandonment by one of the following:**

**Petition To Withdraw Holding of Abandonment (See MPEP 711.03(c) I) and 37 CFR § 1.181) No fee required**

Where an applicant contends that the application is not in fact abandoned (e.g., there is disagreement as to the sufficiency of the reply, or as to controlling dates), a petition under 37 CFR § 1.181(a) requesting withdrawal of the holding of abandonment is the appropriate course of action. Any petition under 37 CFR § 1.181, to withdraw the holding of abandonment not filed within 2 months of the mail date of a Notice of Abandonment may be dismissed as untimely under 37 CFR § 1.181(f).

In order for a petition to be granted, the evidence must be sufficient according to one of the following standards:

- 37 CFR § 1.8(b) Certificate of Mailing
- 37 CFR § 1.10 "Express Mail" mailing
- MPEP 503 Postcard Receipt as Prima Facie Evidence

Petition To Withdraw Holding Of Abandonment should be addressed as follows:

By mail: Commissioner For Patents, P.O. Box 1450, Mail Stop: Issue Fee, Alexandria, VA  
22313-1450

By facsimile: 703-305-8755 or 703-305-4372

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**MAR 10 2004**

**Petition To Withdraw Holding Of Abandonment Based On Failure To Receive Office Action (See MPEP 711.03(c) II). No fee required**

Where an applicant contends that the original Notice of Allowance and Issue Fee Due was never received. If adequately supported, the Office may grant the petition and remail the Office action. The showing required establishing non-receipt of an Office communication must include a statement from the practitioner stating that the Office communication was not received and attesting to the fact that a search of the file jacket and docket records indicates that the Office communication was not received. A copy of the docket record where the nonreceived Office would have been entered had it been received and docketed must be attached to and referenced in practitioner's statement.

Petition should be addressed to the Technology Center handling the application as follows:

By mail: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450  
(Mark attention of a particular office or individual)

By facsimile: Technology Center numbers posted at <http://www.uspto.gov/september1/faxnotice.htm>

**Petition To Revive An Abandoned Application (See MPEP 711.03(c) III)**

Where there is no dispute as to whether an application is abandoned (e.g. the applicant's contentions merely involve the cause of abandonment) a petition under 37 CFR § 1.137 (a) unavoidable or (b) unintentionally (accompanied by the appropriate petition fee) is necessary to revive the abandoned application.

Petitions under 37 CFR § 1.137 should be addressed to the Office of Petitions as follows:

By mail: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450

By hand: Crystal Plaza 4, Rm. 3C23, 2201 Clark Place, Arlington, VA

By facsimile: 703-308-6916

Petition For Revival Of An Application For Patent Abandoned Unavoidably Under 37 CFR § 1.137(a) and Unintentionally Under 37 CFR 1.137(b), forms available at USPTO website – <http://www.uspto.gov>

Note: Abandonment takes place by operation of law for failure to reply to an Office action or timely pay the issue fee, not by operation of the mailing of a Notice of Abandonment.

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DEPARTMENT OF COMMERCE  
PATENT & TRADEMARK OFFICE

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MAR 10 2004



25848

10-48 590  
1220

DATE July 10, 2003

\$ 1,600.00

DOLLARS @

Wm. W. Haefliger

"0000160000"

WILLIAM W. HAEFLIGER  
PATENT LAWYER  
2015 LAKE AVENUE, SUITE 102  
PASADENA, CA 91101

Commissioner of Patents and Trademarks

Commissioner of Patents and Trademarks  
1600 Pennsylvania Avenue, N.W.  
Washington, D.C. 20540

UNION BANK OF CALIFORNIA  
1000 12th Street, Suite 100  
San Francisco, CA 94101

FOR Dkt 12-105-1  
"025848" 12-120004915-5301403E1.51"



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MAR 10 2004

In Group 1742

Examiner Daniel J. Jenkins

Applicant Morris F. Dilmore et al

Serial No. 10/039,811

Filed: 1-8-02

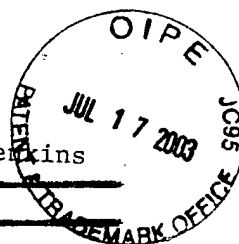
For: METAL CONSOLIDATION PROCESS APPLICABLE TO FUNCTIONALLY  
~~GRADIENT MATERIAL (FGM) COMPOSITIONS OF TANTALUM AND~~  
OTHER MATERIALS

Any Dkt: 12,105 1

Due: 8-11-03

The date stamped hereon will be considered

the filing date of the attached Issue Fee Transmittal Form & Check  
for \$1,600.



## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Box ISSUE FEE  
 Commissioner for Patents  
 Alexandria, Virginia 22313-1450  
**Fax** (703)746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

7590

05/09/2003

William W. Haefliger  
 Suite 512  
 201 So. Lake Ave.  
 Pasadena, CA 91101



Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below.

William W. Haefliger

(Depositor's name)

William W. Haefliger

(Signature)

July 10, 2003

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/039,811	01/08/2002	Morris F. Dilmore	12,105-1	1120

TITLE OF INVENTION: METAL CONSOLIDATION PROCESS APPLICABLE TO FUNCTIONALLY GRADIENT MATERIAL (FGM) COMPOSITIONS OF TANTALUM AND OTHER MATERIALS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1300	\$300	\$1600	08/11/2003

EXAMINER	ART/UNIT	CLASS-SUBCLASS
JENKINS, DANIEL J	1742	075-245000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

William W. Haefliger

2 \_\_\_\_\_

3 \_\_\_\_\_

## 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Ceracon, Inc.

(B) RESIDENCE: (CITY AND STATE OR COUNTRY)

Carmichael, California

Please check the appropriate assignee category or categories (will not be printed on the patent)

☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

4b. Payment of Fee(s):

☒ Issue Fee☒ A check in the amount of the fee(s) is enclosed.

Check #25848

☒ Publication Fee☐ Payment by credit card. Form PTO-2038 is attached.☐ Advance Order - # of Copies \_\_\_\_\_

☐ The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature)

(Date)

William W. Haefliger

July 10, 2003

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.511. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

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Creation date: 12-22-2004  
Indexing Officer: TTRAN25 - TUAN MINH TRAN  
Team: OIPEBackFileIndexing  
Dossier: 10039811

Legal Date: 07-01-2004

No.	Doccode	Number of pages
1	LET.	9

Total number of pages: 9

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